



**State of Alaska
Department of Fish and Game
Habitat and Restoration Division**

**Nomination for Waters
Important to Anadromous Fish**

Region Southeast

USGS Quad Petersburg B2

Anadromous Water Catalog Number of Waterway

None 108-40-10320

Name of Waterway Sunrise Creek

USGS Name

Local Name

Addition

Deletion

Correction

Backup Information

OK L&T 11/25/2000

For Office Use

Nomination #	<u>99 282</u>
Revision Year:	<u>ALASKA DEPT. OF FISH & GAME</u>
Revision Atlas	<u>Catalog</u>
Revision Date:	<u>DEC 22 1999</u>
Revision Code:	<u>X</u>
<u>REGION H HABITAT AND RESTORATION DIVISION</u>	

<u>James P. Lander</u>	<u>12-20-99</u>
Regional Supervisor	Date
<u>E.P.L.</u>	<u>11/26/99</u>
AWC Project Biologist	Date
Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
PS	<u>8/30/99</u>	<u>43</u>			<input checked="" type="checkbox"/>
CS	<u>8/30/99</u>	<u>60</u>			<input checked="" type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments:

The intertidal zone contained 3 live PS, 3 dead PS and 4 live CS and 16 dead CS.

The stream had 32 live PS and 5 dead PS, 18 live CS and 22 dead.

Numerous pinks were noted jumping at mouth.

Pinks were noted up to base of falls, which is about 800' above salt water.

Name of Observer (please print):

Bob Trautner (USFS)

Signature:

P.O. Box 51

Date: 10/22/99

Address:

Wrangell, AK 99929

Tel. 907-874-2323

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist:

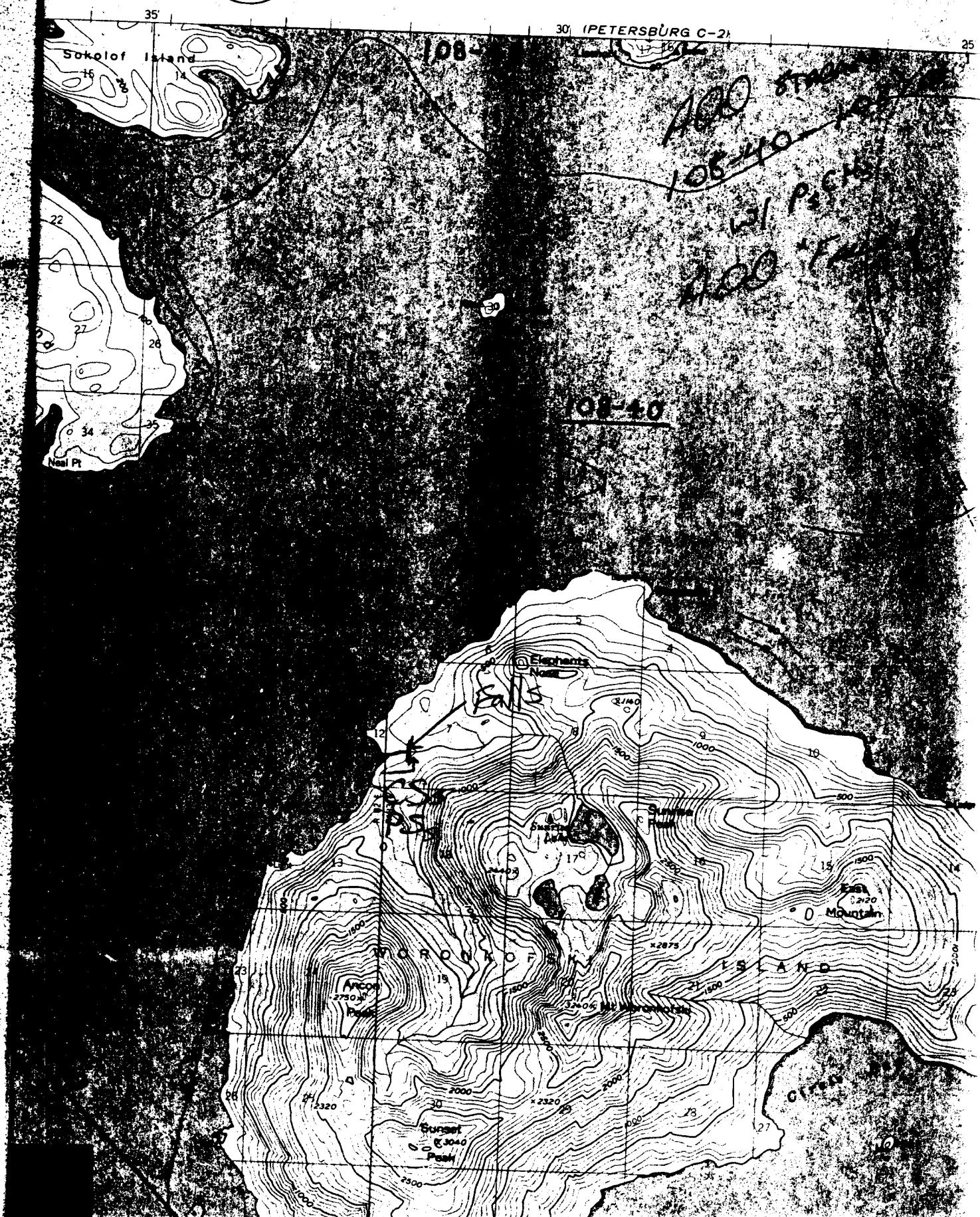
James P. Carilli

Revision 3/97

-NP



Petersburg B-2



SUNRISE CREEK; located northwest Woronkofski Island, South of Wedge Point

DISTANCE	BANKFULL	INCISION	GRADIENT	SUBSTRATE	COMMENTS
ITZ	8-9m	1m	4%	SB/CO	Sunrise creek; upstream of inner tidal zone. Heavy rain causing high flows. Observed inner tidal spawning of Pink salmon. Class I system.
40m					Black bear eating two fresh kill chum salmon. Mutually surprised and scared the hell out of each other.
113m					Adult pinks in sunrise creek look ragged.
168m	7-8m	1-2m	8%	CO/GR	High gradient tributary enters along left bank. Sunrise creek gradient increase; now 8%.
248m	6m	10+m	26%	BD/LB	Vertical bedrock falls, eight meters in height located here. Class I barrier with these flows. Bankfull upstream of the barrier is six meters; at the top of the falls the stream is funnelled down into a chute only two feet wide.
248-307m	-	6m	3-4m	28%	BD/LB Series of bedrock/large boulder cascades and falls in this reach.
342m	6m	1-2m	5%	CO/SB	Stream gradient, incision depth and substrate size have all decreased.
403m	5m	6m	24%	BD	Vertical bedrock falls, three meters in height; located here.
476m	6-7m	1-2m	6%	CO/SB	Smaller incision gradient and substrate here.
505m					Cutthroat and Dolly Varden present.

DISTANCE	BANKFULL	INCISION	GRADIENT	SUBSTRATE	COMMENTS
554m	30m	1m	5%	Silt	Inactive beaver dam here.
596m	20-25m	1m	5%	Silt	Second beaver dam here. Tributary enters right bank 25-30 year old clearcut along left bank
676m	6-7m	1-2m	11%	CO/GR	Gradient increase here. Clearcut continues on left bank.
741m	6-7m	1m	6%	CO/GR	Small tributary enters along right bank. (Class IV)
892m	7-8m	<1m	5%	Silt	Small beaver dam here. Clearcut and road within riparian zone along left bank. Dolly Varden and Cutthroat trout still present.
930m	7-8m	<1m	5%	CO/GR	Road and clearcut within 50 feet of left bank.
1010m					Beaver dam six feet in height... Beaver Dam has been breached. There is a five foot wide opening along left bank. This is the largest beaver dam on Sunrise ck.
1103m					Beaver dam is 93 meters long. Upstream of beaver dam, Sunrise ck. forks. South fork is five feet wide. North fork 6-7 meters wide. Cutthroat and Dolly Varden present.
1108m	6-7m	1-2m	5%	CO/GR	Going upstream of north fork. Cutthroat and Dolly Varden shocked.
1270m	7m	3-4m	5%	CO/SB	Incision and substrate size increase
1333m	5m	see notes	23%	Bedrock	Right bank incision is eight meters, left bank is six meters. Incision, gradient, and substrate size all increase. Bedrock falls and cascades begin here. Possible end of Class II